

#33



OIPE

ENTERED

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/141,220D

DATE: 11/29/2002

TIME: 16:10:46

RECEIVED

AUG 2 5 2003

TECH CENTER 1600/2900

Input Set : A:\Pan-0041.app

Output Set: N:\CRF4\11292002\I141220D.raw

3 <110> APPLICANT: Bannon, Gary A  
 4 Burks, Wesley A  
 5 Sampson, Hugh  
 6 Sosin, Howard  
 8 <120> TITLE OF INVENTION: Methods and Reagents for Decreasing Clinical Reaction  
 9 to Allergy  
 11 <130> FILE REFERENCE: 2002834-0043  
 13 <140> CURRENT APPLICATION NUMBER: 09/141,220D  
 C--> 14 <141> CURRENT FILING DATE: 2002-11-13  
 16 <150> PRIOR APPLICATION NUMBER: PCT/US96/15222  
 17 <151> PRIOR FILING DATE: 1996-09-23  
 19 <150> PRIOR APPLICATION NUMBER: 60/074,590  
 20 <151> PRIOR FILING DATE: 1998-02-13  
 22 <150> PRIOR APPLICATION NUMBER: 60/074,624  
 23 <151> PRIOR FILING DATE: 1998-02-13  
 25 <150> PRIOR APPLICATION NUMBER: 60/074,633  
 26 <151> PRIOR FILING DATE: 1998-02-13  
 28 <160> NUMBER OF SEQ ID NOS: 80  
 30 <170> SOFTWARE: PatentIn Ver. 2.1  
 32 <210> SEQ ID NO: 1  
 33 <211> LENGTH: 1930  
 34 <212> TYPE: DNA  
 35 <213> ORGANISM: peanut  
 37 <400> SEQUENCE: 1  
 38 aataatcata tatattcatc aatcatctat ataagtagta gcaggagcaa tgagagggag 60  
 39 ggtttctcca ctgatgctgt tgctagggat ccttgctctg gcttcagttt ctgcaacgca 120  
 40 tgccaagtca tcaccttacc agaagaaaac agagaacccc tgcgcccaga ggtgcctcca 180  
 41 gagttgtcaa caggaaccgg atgacttgaa gcaaaaggca tgcgagtctc gctgcaccaa 240  
 42 gctcgagtat gatcctcgtt gtgtctatga tcctcgagga cacactggca ccaccaacca 300  
 43 acgttcccct ccagggggagc ggacacgtgg ccgccaaccc ggagactacg atgatgaccg 360  
 44 cagtcacccc cgaagagagg aaggaggccg atggggacca gctggaccga gggagcgtga 420  
 45 aagagaagaa gactggagac aaccaagaga agattggagg cgaccaagtc atcagcagcc 480  
 46 acggaaaata aggcccgagg gaagagaagg agaacaagag tggggaacac caggtagcca 540  
 47 tgtgagggaa gaaacatctc ggaacaaccc tttctacttc ccgtcaaggc ggttttagcac 600  
 48 ccgctacggg aaccaaaccg gtaggatccg ggtcctgcag aggtttgacc aaaggtcaag 660  
 49 gcagtttcag aatctccaga atcaccgtat tgtgcagatc gaggccaaac ctaacactct 720  
 50 tgttcttccc aagcacgtg atgctgataa catccttggt atccagcaag ggcaagccac 780  
 51 cgtgaccgta gcaaatggca ataacagaaa gagctttaat cttgacgagg gccatgcact 840  
 52 cagaatccca tccggtttca tttcctacat cttgaaccgc catgacaacc agaacctcag 900  
 53 agtagctaaa atctccatgc ccgttaacac acccgccag tttgaggatt tcttcccggc 960  
 54 gagcagccga gaccaatcat cctacttgca gggcttcagc aggaatacgt tggaggccgc 1020  
 55 cttcaatgcg gaattcaatg agatacggag ggtgctgtta gaagagaatg caggaggtga 1080  
 56 gcaagaggag agagggcaga ggcgatggag tactcggagt agtgagaaca atgaaggagt 1140

## RAW SEQUENCE LISTING

DATE: 11/29/2002

PATENT APPLICATION: US/09/141,220D

TIME: 16:10:46

Input Set : A:\Pan-0041.app

Output Set: N:\CRF4\11292002\I141220D.raw

```

57 gatagtcaaa gtgtcaaagg agcacgttga agaacttact aagcacgcta aatccgtctc 1200
58 aaagaaaggc tccgaagaag agggagatat caccaaccca atcaacttga gagaaggcga 1260
59 gcccgatctt tctaacaact ttgggaagtt atttgaggtg aagccagaca agaagaaccc 1320
60 ccagcttcag gacctggaca tgatgtcac ctgtgtagag atcaaagaag gagctttgat 1380
61 gctcccacac ttcaactcaa aggccatggg tatcgtcgtc gtcaacaaag gaactggaaa 1440
62 ccttgaactc gtggctgtaa gaaaagagca acaacagagg ggacggcggg aagaagagga 1500
63 ggacgaagac gaagaagagg agggaagtaa cagagaggtg cgtaggtaca cagcgaggtt 1560
64 gaaggaaggc gatgtgttca tcatgccagc agctcatcca gtagccatca acgcttcctc 1620
65 cgaactccat ctgcttggct tcggtatcaa cgctgaaaac aaccacagaa tcttccttgc 1680
66 aggtgataag gacaagtga tagaccagat agaaagcaa gcgaaggatt tagcattccc 1740
67 tgggtcgggt gaacaagttg agaagctcat caaaaaccag aaggaatctc actttgtgag 1800
68 tgctcgtcct caatctcaat ctcaatctcc gtcgtctcct gagaaagagt ctcctgagaa 1860
69 agaggatcaa gaggaggaaa accaaggagg gaagggtcca ctctttcaa ttttgaaggc 1920
70 ttttaactga 1930
73 <210> SEQ ID NO: 2
74 <211> LENGTH: 10
75 <212> TYPE: PRT
76 <213> ORGANISM: peanut
78 <400> SEQUENCE: 2
79 Ala Lys Ser Ser Pro Tyr Gln Lys Lys Thr
80 1 5 10
83 <210> SEQ ID NO: 3
84 <211> LENGTH: 10
85 <212> TYPE: PRT
86 <213> ORGANISM: peanut
88 <400> SEQUENCE: 3
89 Gln Glu Pro Asp Asp Leu Lys Gln Lys Ala
90 1 5 10
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 10
95 <212> TYPE: PRT
96 <213> ORGANISM: peanut
98 <400> SEQUENCE: 4
99 Leu Glu Tyr Asp Pro Arg Leu Val Tyr Asp
100 1 5 10
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 10
105 <212> TYPE: PRT
106 <213> ORGANISM: peanut
108 <400> SEQUENCE: 5
109 Gly Glu Arg Thr Arg Gly Arg Gln Pro Gly
110 1 5 10
113 <210> SEQ ID NO: 6
114 <211> LENGTH: 10
115 <212> TYPE: PRT
116 <213> ORGANISM: peanut
118 <400> SEQUENCE: 6
119 Pro Gly Asp Tyr Asp Asp Asp Arg Arg Gln
120 1 5 10

```

## RAW SEQUENCE LISTING

DATE: 11/29/2002

PATENT APPLICATION: US/09/141,220D

TIME: 16:10:46

Input Set : A:\Pan-0041.app

Output Set: N:\CRF4\11292002\I141220D.raw

```

123 <210> SEQ ID NO: 7
124 <211> LENGTH: 52
125 <212> TYPE: PRT
126 <213> ORGANISM: peanut
128 <400> SEQUENCE: 7
129 Thr Asn Gln Arg Ser Pro Pro Gly Glu Arg Thr Arg Gly Arg Gln Pro
130 1 5 10 15
132 Gly Asp Tyr Asp Asp Arg Arg Gln Pro Arg Arg Glu Glu Gly Gly
133 20 25 30
135 Arg Trp Gly Pro Ala Gly Pro Arg Glu Arg Glu Glu Asp Trp
136 35 40 45
138 Arg Gln Pro Arg
139 50
142 <210> SEQ ID NO: 8
143 <211> LENGTH: 10
144 <212> TYPE: PRT
145 <213> ORGANISM: peanut
147 <400> SEQUENCE: 8
148 Thr Asn Gln Arg Ser Pro Pro Gly Glu Arg
149 1 5 10
152 <210> SEQ ID NO: 9
153 <211> LENGTH: 10
154 <212> TYPE: PRT
155 <213> ORGANISM: peanut
157 <400> SEQUENCE: 9
158 Gln Arg Ser Pro Pro Gly Glu Arg Thr Arg
159 1 5 10
162 <210> SEQ ID NO: 10
163 <211> LENGTH: 10
164 <212> TYPE: PRT
165 <213> ORGANISM: peanut
167 <400> SEQUENCE: 10
168 Ser Pro Pro Gly Glu Arg Thr Arg Gly Arg
169 1 5 10
172 <210> SEQ ID NO: 11
173 <211> LENGTH: 10
174 <212> TYPE: PRT
175 <213> ORGANISM: peanut
177 <400> SEQUENCE: 11
178 Pro Gly Glu Arg Thr Arg Gly Arg Gln Pro
179 1 5 10
182 <210> SEQ ID NO: 12
183 <211> LENGTH: 10
184 <212> TYPE: PRT
185 <213> ORGANISM: peanut
187 <400> SEQUENCE: 12
188 Glu Arg Thr Arg Gly Arg Gln Pro Gly Asp
189 1 5 10
192 <210> SEQ ID NO: 13

```

## RAW SEQUENCE LISTING

DATE: 11/29/2002

PATENT APPLICATION: US/09/141,220D

TIME: 16:10:46

Input Set : A:\Pan-0041.app

Output Set: N:\CRF4\11292002\I141220D.raw

```

193 <211> LENGTH: 10
194 <212> TYPE: PRT
195 <213> ORGANISM: peanut
197 <400> SEQUENCE: 13
198 Thr Arg Gly Arg Gln Pro Gly Asp Tyr Asp
199   1           5           10
202 <210> SEQ ID NO: 14
203 <211> LENGTH: 10
204 <212> TYPE: PRT
205 <213> ORGANISM: peanut
207 <400> SEQUENCE: 14
208 Gly Arg Gln Pro Gly Asp Tyr Asp Asp Asp
209   1           5           10
212 <210> SEQ ID NO: 15
213 <211> LENGTH: 10
214 <212> TYPE: PRT
215 <213> ORGANISM: peanut
217 <400> SEQUENCE: 15
218 Gln Pro Gly Asp Tyr Asp Asp Asp Arg Arg
219   1           5           10
222 <210> SEQ ID NO: 16
223 <211> LENGTH: 10
224 <212> TYPE: PRT
225 <213> ORGANISM: peanut
227 <400> SEQUENCE: 16
228 Gly Asp Tyr Asp Asp Asp Arg Arg Gln Pro
229   1           5           10
232 <210> SEQ ID NO: 17
233 <211> LENGTH: 10
234 <212> TYPE: PRT
235 <213> ORGANISM: peanut
237 <400> SEQUENCE: 17
238 Tyr Asp Asp Asp Arg Arg Gln Pro Arg Arg
239   1           5           10
242 <210> SEQ ID NO: 18
243 <211> LENGTH: 10
244 <212> TYPE: PRT
245 <213> ORGANISM: peanut
247 <400> SEQUENCE: 18
248 Asp Asp Arg Arg Gln Pro Arg Arg Glu Glu
249   1           5           10
252 <210> SEQ ID NO: 19
253 <211> LENGTH: 10
254 <212> TYPE: PRT
255 <213> ORGANISM: peanut
257 <400> SEQUENCE: 19
258 Arg Arg Gln Pro Arg Arg Glu Glu Gly Gly
259   1           5           10
262 <210> SEQ ID NO: 20

```

## RAW SEQUENCE LISTING

DATE: 11/29/2002

PATENT APPLICATION: US/09/141,220D

TIME: 16:10:46

Input Set : A:\Pan-0041.app

Output Set: N:\CRF4\11292002\I141220D.raw

```

263 <211> LENGTH: 10
264 <212> TYPE: PRT
265 <213> ORGANISM: peanut
267 <400> SEQUENCE: 20
268 Gln Pro Arg Arg Glu Glu Gly Gly Arg Trp
269 1 5 10
272 <210> SEQ ID NO: 21
273 <211> LENGTH: 10
274 <212> TYPE: PRT
275 <213> ORGANISM: peanut
277 <400> SEQUENCE: 21
278 Arg Arg Glu Glu Gly Gly Arg Trp Gly Pro
279 1 5 10
282 <210> SEQ ID NO: 22
283 <211> LENGTH: 10
284 <212> TYPE: PRT
285 <213> ORGANISM: peanut
287 <400> SEQUENCE: 22
288 Glu Glu Gly Gly Arg Trp Gly Pro Ala Gly
289 1 5 10
292 <210> SEQ ID NO: 23
293 <211> LENGTH: 10
294 <212> TYPE: PRT
295 <213> ORGANISM: peanut
297 <400> SEQUENCE: 23
298 Gly Gly Arg Trp Gly Pro Ala Gly Pro Arg
299 1 5 10
302 <210> SEQ ID NO: 24
303 <211> LENGTH: 10
304 <212> TYPE: PRT
305 <213> ORGANISM: peanut
307 <400> SEQUENCE: 24
308 Arg Trp Gly Pro Ala Gly Pro Arg Glu Arg
309 1 5 10
312 <210> SEQ ID NO: 25
313 <211> LENGTH: 10
314 <212> TYPE: PRT
315 <213> ORGANISM: peanut
317 <400> SEQUENCE: 25
318 Gly Pro Ala Gly Pro Arg Glu Arg Glu Arg
319 1 5 10
322 <210> SEQ ID NO: 26
323 <211> LENGTH: 10
324 <212> TYPE: PRT
325 <213> ORGANISM: peanut
327 <400> SEQUENCE: 26
328 Ala Gly Pro Arg Glu Arg Glu Arg Glu Glu
329 1 5 10
332 <210> SEQ ID NO: 27

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/141,220D

DATE: 11/29/2002

TIME: 16:10:47

Input Set : A:\Pan-0041.app

Output Set: N:\CRF4\11292002\I141220D.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date